

Name _____

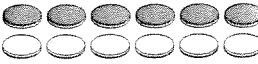
Reteaching


16-1

Practicing Addition Facts

$$\begin{array}{r} 6 \\ + 5 \\ \hline \end{array}$$

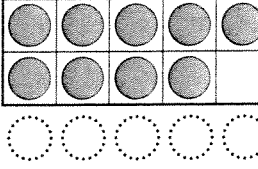
6 and 5 are 1 apart. They are near doubles.

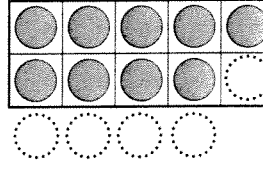
$$\begin{array}{r} 6 \\ + 6 \\ \hline 12 \end{array}$$


$$\begin{array}{r} 6 \\ + 5 \\ \hline 11 \end{array}$$


$$\begin{array}{r} 9 \\ + 5 \\ \hline \end{array}$$

9 is close to 10. I can make 10.

$$\begin{array}{r} 9 \\ + 5 \\ \hline 14 \end{array}$$


$$\begin{array}{r} 10 \\ + 4 \\ \hline 14 \end{array}$$


Add. Then circle the strategy you used.

1.
$$\begin{array}{r} 5 \\ + 4 \\ \hline \end{array}$$

9

Doubles

Near Doubles

Make 10

Think: 5 and 4 are 1 apart. They are near doubles.

2.
$$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$$

Doubles

Near Doubles

Make 10

Think: 7 and 7 are doubles.

3.
$$\begin{array}{r} 8 \\ + 3 \\ \hline \end{array}$$

Doubles

Near Doubles

Make 10

Think: 8 is close to 10.

Name _____

Practice

16-1

Practicing Addition Facts

Find each sum.

1. 9

$$\begin{array}{r} \text{ } + 3 \\ \hline \end{array}$$

12

2. 7

$$\begin{array}{r} \text{ } + 7 \\ \hline \end{array}$$

3. 5

$$\begin{array}{r} \text{ } + 6 \\ \hline \end{array}$$

4. 4

$$\begin{array}{r} \text{ } + 9 \\ \hline \end{array}$$

5. 9

$$\begin{array}{r} \text{ } + 5 \\ \hline \end{array}$$

6. 7

$$\begin{array}{r} \text{ } + 8 \\ \hline \end{array}$$

7. 6

$$\begin{array}{r} \text{ } + 6 \\ \hline \end{array}$$

8. 7

$$\begin{array}{r} \text{ } + 4 \\ \hline \end{array}$$

Journal

9. Write a story problem that can be solved by making 10.
Then explain how to solve the problem.

Name _____

Reteaching

16-2

Fact Families

You can use related facts to write a fact family.

I know that $7 + 4 = 11$.



I can add in any order.

That means that $4 + 7 = 11$.



I can use addition
to help me subtract.

That means that $11 - 7 = 4$.



I can use addition
to help me subtract.

That means that $11 - 4 = 7$.



Solve the number sentence.

Then complete the fact family.

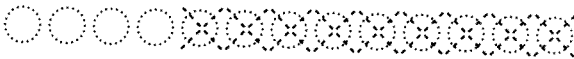
Draw counters for each number sentence.

1. $9 + 4 = 13$

$4 + 9 = 13$

$\underline{\quad} - \underline{\quad} = \underline{\quad}$

$\underline{\quad} - \underline{\quad} = \underline{\quad}$

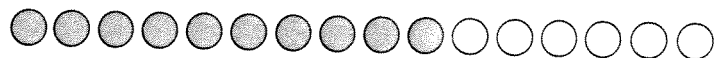


2. $10 + 6 = \underline{\quad}$

$\underline{\quad} + \underline{\quad} = \underline{\quad}$

$\underline{\quad} - \underline{\quad} = \underline{\quad}$

$\underline{\quad} - \underline{\quad} = \underline{\quad}$



Name _____

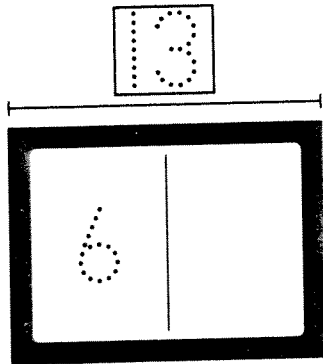
Practice

16-2

Fact Families

Solve. Complete the fact family.

1. $6 + 7 = 13$

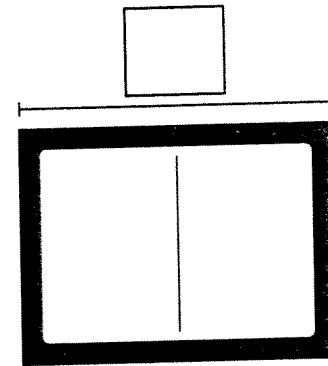


$7 + 6 = 13$

_____ - _____ = _____

_____ - _____ = _____

2. $15 - 9 =$ _____



_____ - _____ = _____

_____ + _____ = _____

_____ + _____ = _____

Algebra

3. What number sentence is missing from this fact family?

$7 + 8 = 15$

$8 + 7 = 15$

$15 - 8 = 7$

?

☐ $8 - 7 = 1$

☐ $15 - 7 = 8$

☐ $15 + 7 = 22$

☐ $15 + 8 = 23$

Name _____

Reteaching

16-3

Using Addition Facts to Subtract

$10 - 6 = ?$

I want to solve a subtraction sentence.

$6 + ? = 10$

I can turn $10 - 6$ into an addition fact to help me subtract.

$6 + 4 = 10$



I can use counters to check my addition fact.

If $6 + 4 = 10$, then $10 - 6 = 4$.

Write an addition sentence to help you subtract.

Draw counters to check your work.

$1. \quad 15 - 8 = \underline{7}$



$\underline{8} + \underline{7} = \underline{15}$

$2. \quad 18 - 9 = \underline{\quad}$

$\underline{\quad} + \underline{\quad} = \underline{\quad}$

$3. \quad 13 - 7 = \underline{\quad}$

$\underline{\quad} + \underline{\quad} = \underline{\quad}$

Name _____

Practice

16-3

Using Addition Facts to Subtract

Complete the addition fact.

Use the addition fact to help you subtract.

1.
$$\begin{array}{r} 7 \\ + \square \\ \hline 13 \end{array}$$

$$\begin{array}{r} 13 \\ - 7 \\ \hline \square \end{array}$$

2.
$$\begin{array}{r} 9 \\ + \square \\ \hline 16 \end{array}$$

$$\begin{array}{r} 16 \\ - 9 \\ \hline \square \end{array}$$

3.
$$\begin{array}{r} 6 \\ + \square \\ \hline 12 \end{array}$$

$$\begin{array}{r} 12 \\ - 6 \\ \hline \square \end{array}$$

4.
$$\begin{array}{r} 8 \\ + \square \\ \hline 17 \end{array}$$

$$\begin{array}{r} 17 \\ - 8 \\ \hline \square \end{array}$$

5.
$$\begin{array}{r} 9 \\ + \square \\ \hline 15 \end{array}$$

$$\begin{array}{r} 15 \\ - 9 \\ \hline \square \end{array}$$

6.
$$\begin{array}{r} 6 \\ + \square \\ \hline 11 \end{array}$$

$$\begin{array}{r} 11 \\ - 6 \\ \hline \square \end{array}$$

7. Reasonableness

If Mary has $13 - 8$ oranges and Terry has $13 - 6$ oranges, then which sentence is true?

☐ Mary has the same number of oranges as Terry.

☐ Terry has twice as many oranges as Mary.

☐ Mary has more oranges than Terry.

☐ Terry has more oranges than Mary.

Name _____

Reteaching

16-4

Problem Solving: Use Objects

Sarah picked 9 flowers.
Then she picked 5 more.

You can use counters to model the addition. Then you can complete the story.

How many flowers did she pick in all? 14



These counters are the 9 flowers Sarah picked.



These counters are the 5 flowers Sarah picked.



Put the counters together. Sarah picked 14 flowers.

$$9 + 5 = \underline{14}$$

Use counters to model the addition.
Complete the story.

1. $6 + 6 = 12$

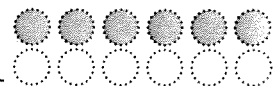
Malik ate 6 crackers.



Then he ate _____ more crackers.



How many crackers did Malik eat in all? _____



Name _____

Practice

16-4

Problem Solving: Use Objects

Write a story or draw a picture for each number sentence.

1. $12 - 5 = 7$

.....

2. $13 - 8 = 5$

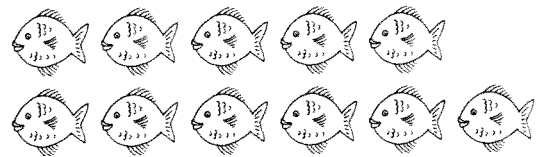
.....

3. $7 + 9 = 16$

.....

Number Sense

4. Which number sentence matches the story and drawing?
Hoshi caught 5 fish.
Then Hoshi caught 6 more fish.
She caught 11 fish in all.



☐ $6 - 5 = 1$

☐ $5 + 5 = 10$

☐ $11 - 6 = 5$

☐ $5 + 6 = 11$

Name _____

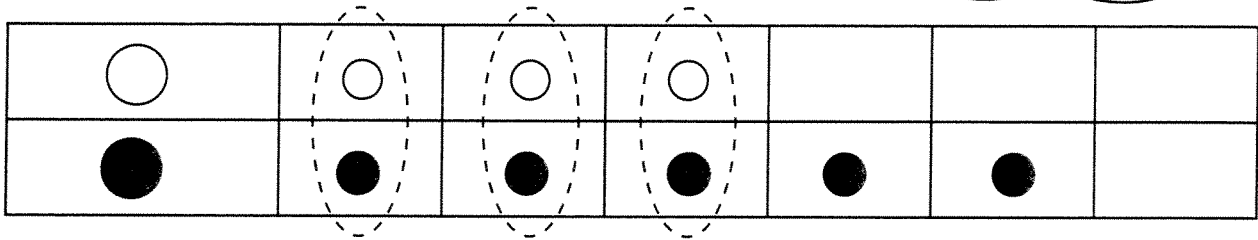
Reteaching

17-1

Using Data from Real Graphs

You can use real objects to make a graph by arranging the objects in rows and columns.

This is a real-object graph because the counters are real objects.



Circle each pair of counters in the graph.



Is there the same number of colors? yes no

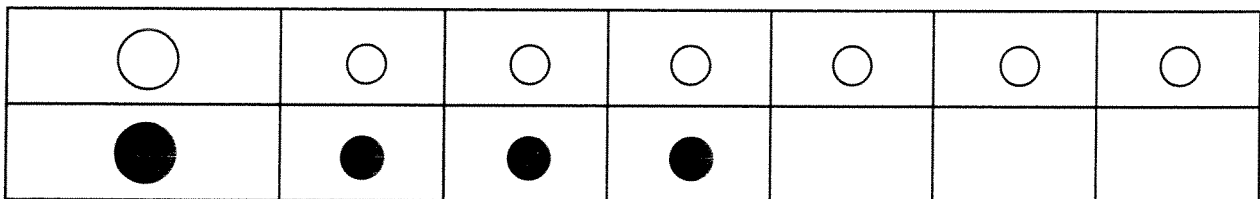
Which color has more?

black

white

How many counters do not have a partner? 2

I. Circle the correct answers. Write the number.



Is there the same number of colors? yes no

Which color has more? black white

How many counters do not have a partner? _____

Name _____

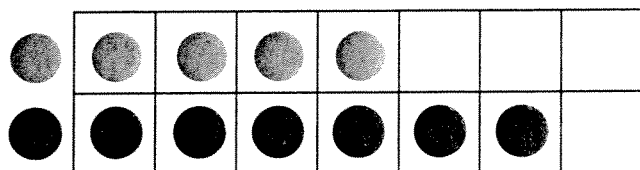
Practice

17-1

Using Data from Real Graphs

Look at the graph.

Circle the correct answers. Write the number.



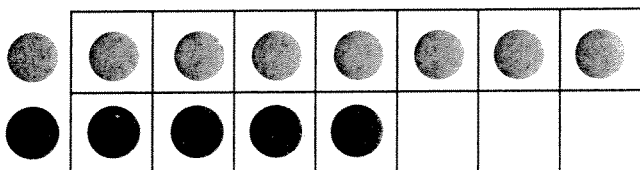
1. Is there the same number of colored counters?

yes no

2. Which color has more?

gray black

3. How many counters do not have a partner?



4. Is there the same number of colored counters?

yes no

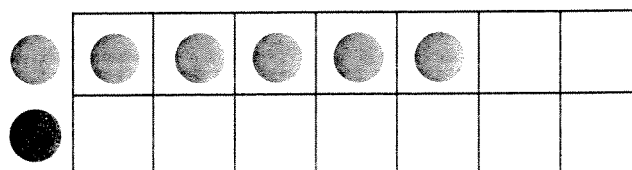
5. Which color has more?

gray black

6. How many counters do not have a partner? _____

Journal

7. Draw black counters on the graph so 1 black counter does not have a partner.



Name _____

Reteaching













17-2

Using Data from Picture Graphs

You can use information in picture graphs to answer questions.

Each party hat
stands for 1 vote.














10 children
voted.

Favorite Party Hat						
 Stripes						
 Polka Dots						

How many children voted for the hat with stripes? 4

How many children voted for the hat with polka dots? 6

Which hat got more votes? Stripes Polka Dots

Favorite Club						
 Science						
 Art						

1. How many children in all voted for a favorite club? 11

2. How many children voted for Science Club? _____

3. How many children voted for Art Club? _____

4. Which club got more votes? Science Art























Name _____

Practice

17-2

Using Data from Picture Graphs

Use the graph to answer the questions.

Favorite Seasons						
 Summer						
 Fall						
 Winter						
 Spring						

- How many children chose winter? _____
- Which season is the favorite? _____
- Which season did 4 children choose? _____

Number Sense

- How many more children chose summer than spring?

☐ 11

☐ 5

☐ 6

☐ 1

Reasoning

- What is the graph about?

☐ Favorite Subjects

☐ Favorite Seasons

☐ Summer

☐ Fall

Name _____

Reteaching

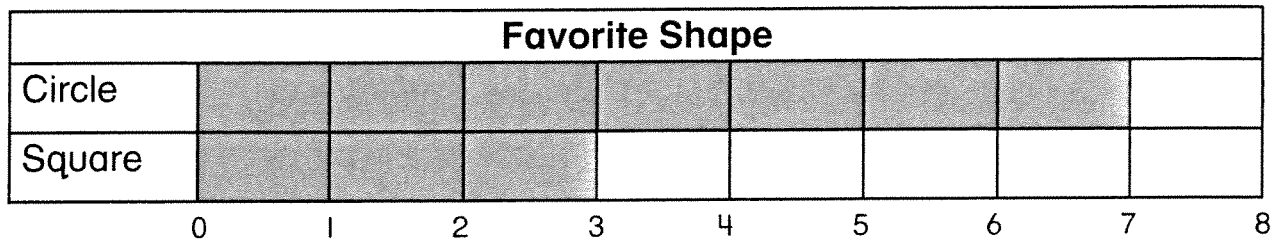
17-3

Using Data from Bar Graphs

You can use information in bar graphs to answer questions.

Each shaded square stands for 1 vote. The shaded squares in a row form a bar.

The least favorite shape has the shortest bar.



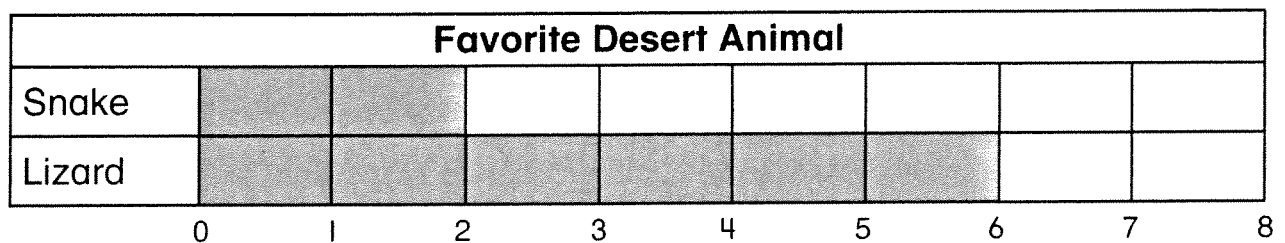
How many votes did each shape get?

Circle 7 Square 3

Which shape is the favorite?

Circle

Square



1. How many votes did each animal get?

Snake _____ Lizard _____

2. Which animal is the favorite?

Snake

Lizard

Name _____

Practice

17-3

Using Data from Bar Graphs

Use the graph to answer the questions.

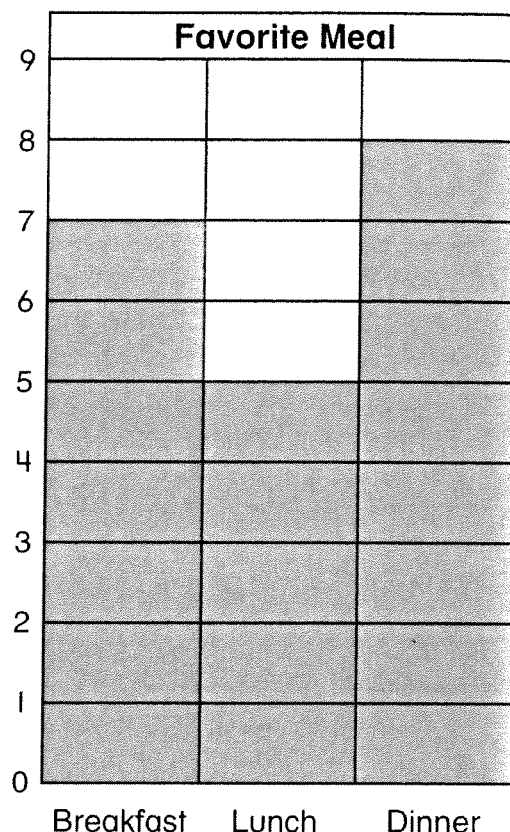
1. Mrs. Dunne's class made a graph of their favorite meals. Which meal is the least favorite?

2. How many children voted

for breakfast? _____

3. How many more children voted for

dinner than for lunch? _____



Reasoning

4. Which meals were chosen by more than 6 children?

☐ breakfast and lunch

☐ breakfast and dinner

☐ breakfast, lunch,
and dinner

☐ lunch and dinner

Name _____

Reteaching

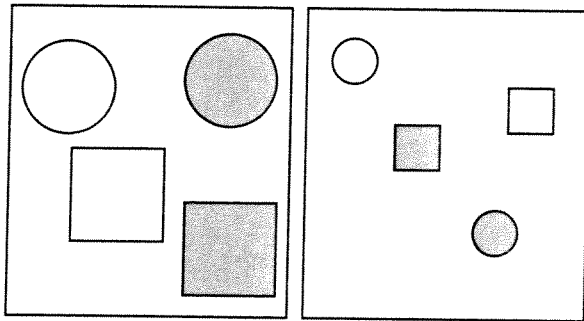
17-4

Sorting

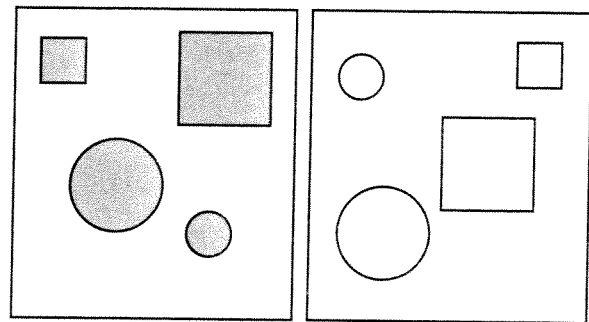
Sort these squares and circles in two different ways.



By Size



By Color



These squares and circles are big.
These squares and circles are small.

These squares and circles are gray.
These squares and circles are white.

1. Sort the squares and circles another way.
Tell the way that you sorted.



These are all squares.

These are all _____.

I sorted by _____.

Reasoning

2. Circle the shape that does not belong in the group.



Name _____

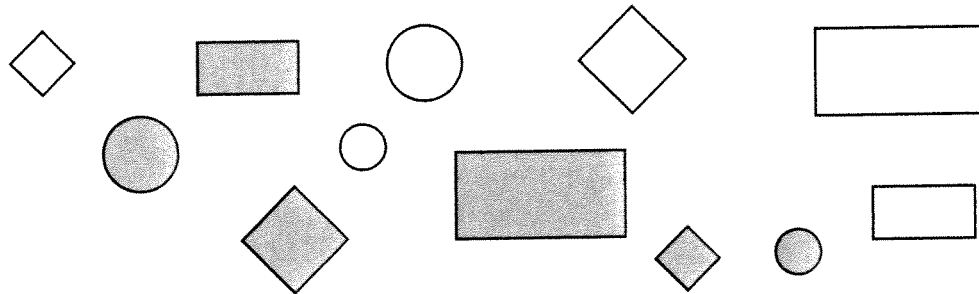
Practice

17-4

Sorting

In what ways can you sort these shapes?
Draw and color one way.

1.



--	--

Journal

2. Draw another shape.
Put it in one of the groups above.
Tell your sorting rule.

Name _____

Reteaching
17-5

Collecting Data Using Tally Marks

The children made tally marks to show the ways children get to school.

| equals 1

count 5 6 7

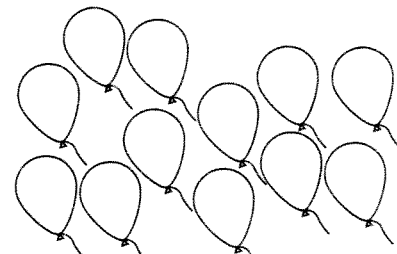
|||| equals 5

		Total
Walk		7
School bus		10

count 5 10

1. Color some balloons red. Color the rest blue.
Use tally marks to show how many balloons there are in each color. Write the totals.

		Total
Red		
Blue		



Use the tally chart to answer the questions.

2. Of which color are there the most? _____
3. Of which color are there the fewest? _____
4. How many balloons are there altogether? _____

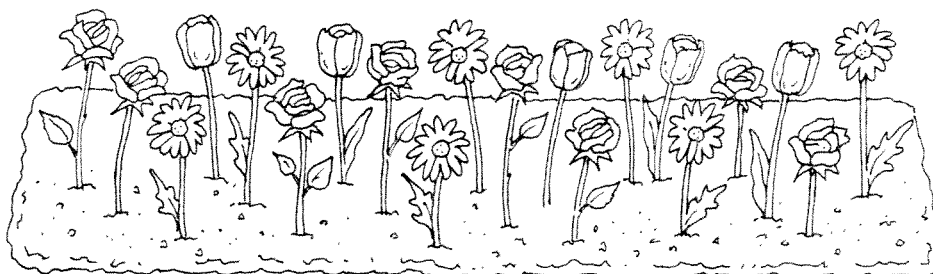
Name _____

Practice

17-5




Collecting Data Using Tally Marks

Make tally marks to show how many flowers of each kind there are. Then write each total.



Total

1.

Rose			
Tulip			
Daisy			

Use your tally to answer the questions.

2. Which kind of flower is there the most of? _____

3. How many daisies and roses are there in all? _____

Algebra

4. How many more daisies than tulips are there?

☐ 2

☐ 5

☐ 3

☐ 7

Reasoning

5. How many roses and tulips are there in all?

☐ 15

☐ 12

☐ 13

☐ 3

Name _____

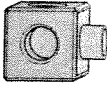

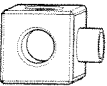

Reteaching

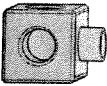
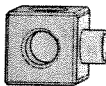
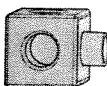
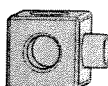
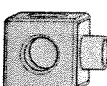
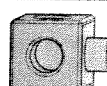
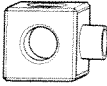
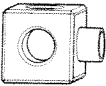
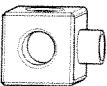
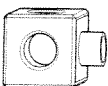
17-6


Making Real Graphs

You can use a tally chart to make a real graph.


The chart shows Kim has 5 gray cubes and 3 white cubes.

Kim's Cubes – Tally Chart		
		5
		3

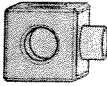

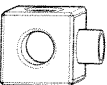

How many  will you put in the graph?

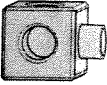
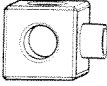
5

How many  will you put in the graph?

3

- Use the tally chart to make a graph with cubes.

Reba's Cubes – Tally Chart		
		4
		6

- If you add 1 gray cube to the graph, how many gray cubes will there be?

_____ gray cubes

Name _____

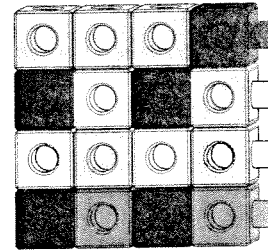
Practice

17-6






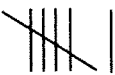


Making Real Graphs

Sarina used cubes to make a picture of a cow.

She used a tally chart to show how many cubes of each color she used in her picture.



1. Use the tally chart to make a graph.

Connecting Cubes Cow – Tally Chart		
 Black		5
 Green		2
 Blue		6
 White		3

Connecting Cubes Cow – Real Graph						
Black						
Green						
Blue						
White						

Number Sense

2. Sarina adds 4 more green cubes to her picture.

How many green cubes are there now?

- ☐ 10
 ☐ 9
 ☐ 7
 ☐ 6

Name _____


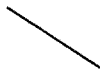

Reteaching











17-7

Making Picture Graphs

You can use a tally chart to make a picture graph.

Draw a flower for each tally mark.

Favorite Flower					
					
					



In how many boxes did you draw a daisy? 5



In how many boxes did you draw a tulip? 3

Which flower is the favorite? daisy

- Ask your friends to vote for apple juice or milk as their favorite drink.

Make a tally chart and a picture graph.

Favorite Drink	
	
	

 Apple Juice						
 Milk						

2. How many of your friends voted for apple juice? _____




3. Which drink is the favorite? _____

Name _____




Practice

17-7

Making Picture Graphs

Favorite Items to Collect	Tally Marks	Totals
 Shells		3
 Stamps		6
 Coins		4

1. Use the information in the tally chart.
Draw pictures to make a picture graph.

Favorite Items to Collect						
 Shells						
 Stamps						
 Coins						

2. Which item is the least favorite to collect? _____
3. Write the items in order from most favored to least favored.

most favored

least favored

Number Sense

4. How many more people chose stamps than coins?

☐ 10

☐ 6

☐ 4

☐ 2

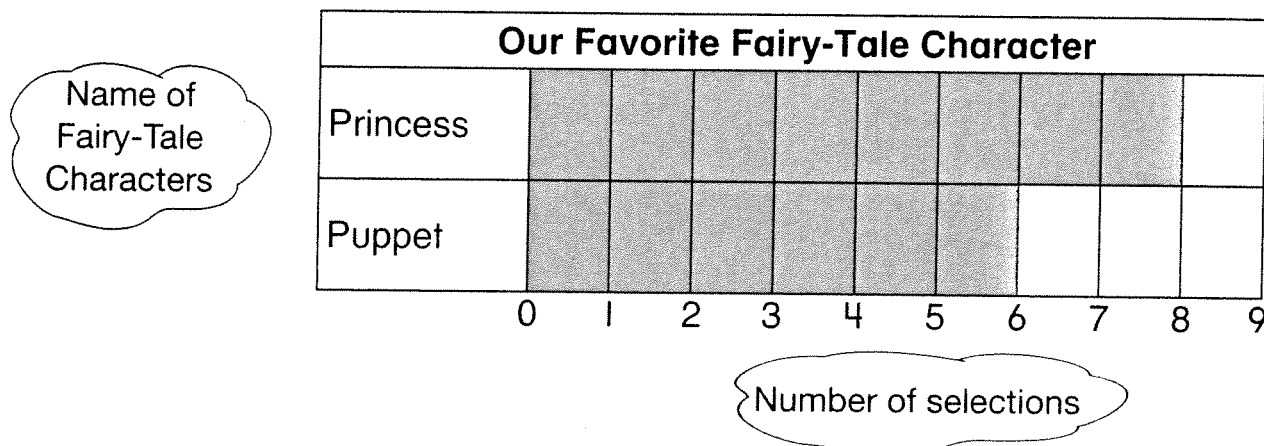
Name _____

Reteaching

17-8

Problem Solving: Making a Graph

Each square that is colored gray equals 1 child's selection.



Look at the number of squares colored for the princess.

How many squares are colored? 8

Look at the number of squares colored for the puppet.

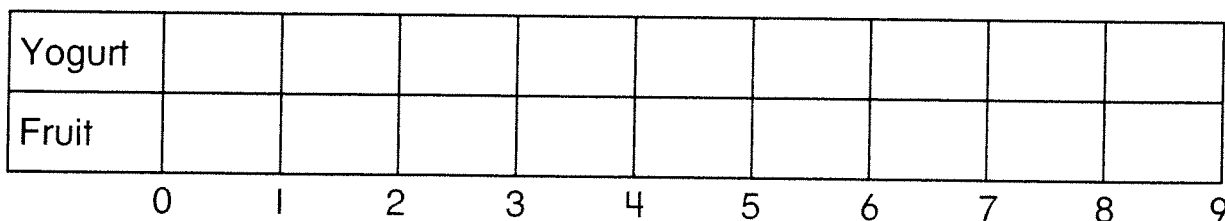
How many squares are colored? 6

Circle the favorite fairy-tale character of the children.

Princess

Puppet

1. Ask your classmates to select their favorite snack.
Color to make a bar graph. Then answer the questions.



2. Which snack is the favorite? _____

3. How many children selected fruit? _____





Name _____

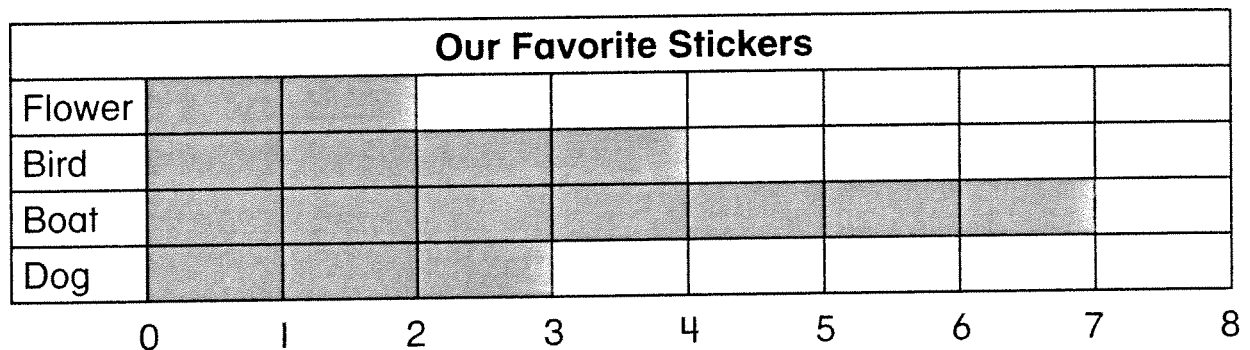
Practice

17-8

Problem Solving: Making a Graph

The chart shows what kinds of stickers the children like.
Make a bar graph to answer the questions.

Favorite Stickers		
	Flower	2
	Bird	4
	Boat	7
	Dog	3



- Which sticker do children like the most? _____
- Which sticker do children like the least? _____

Number Sense

- Which of the following shows the stickers in order from most favorite to least favorite?

- | | |
|---|---|
| <input type="radio"/> dog, boat, bird, flower | <input type="radio"/> flower, bird, boat, dog |
| <input type="radio"/> flower, dog, bird, boat | <input type="radio"/> boat, bird, dog, flower |

Name _____

Reteaching

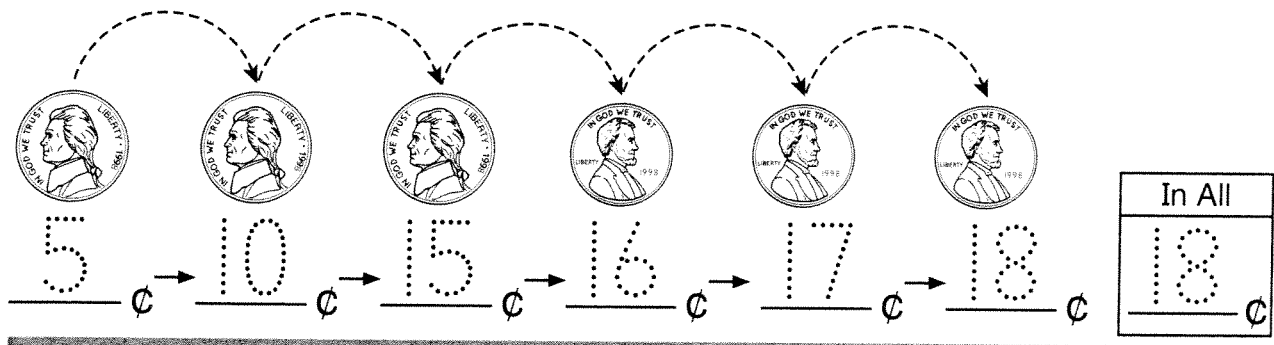
18-1

Values of Penny and Nickel

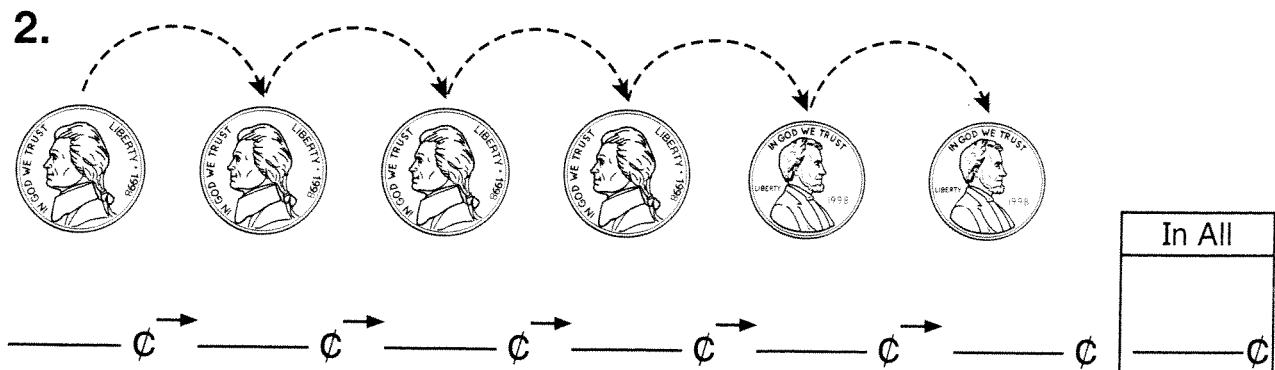
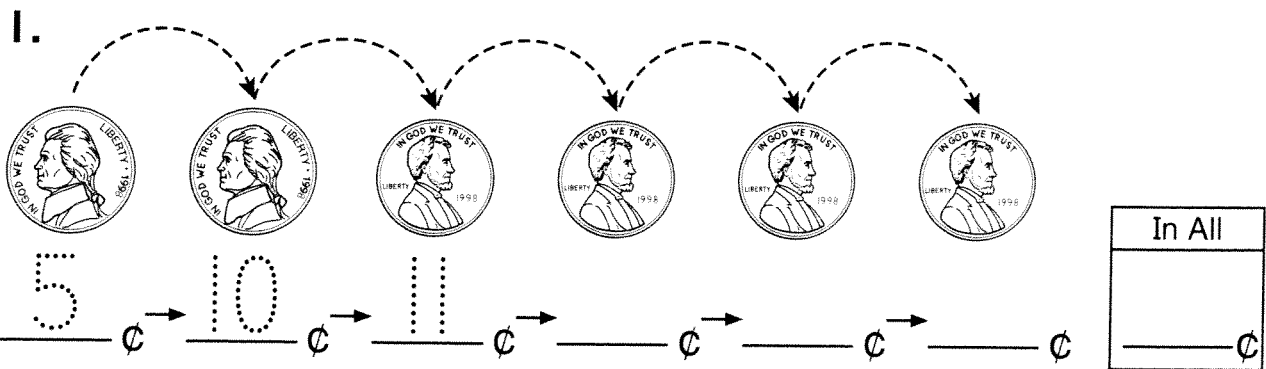
A nickel = 5 cents.
Skip count by 5s for nickels.

A penny = 1 cent.
Count by 1s for pennies.

Skip count by 5s for the nickels.
Then count on by 1s for the pennies.



Skip count by 5s and count on by 1s to find how much money in all.



Name _____

Practice

18-1

Values of Penny and Nickel

1. Count on. Then write how much money in all.



5 ¢



6 ¢



7 ¢



8 ¢



9 ¢

In All
<u>9</u> ¢

2.



_____ ¢



_____ ¢



_____ ¢



_____ ¢

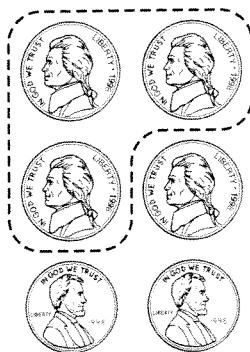
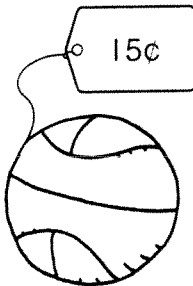


_____ ¢

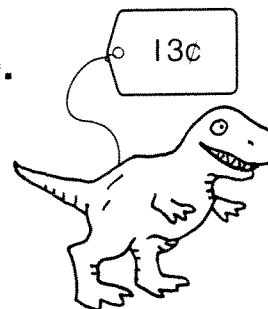
In All
_____ ¢

Circle the coins that match each price.

3.



4.



Reasoning

5. Jan has 6 coins. She has 2 nickels.

The rest are pennies.

How much money does Jan have?

15¢

☐

14¢

☐

13¢

☐

12¢

☐

Name _____

Reteaching

18-2

Values of Penny, Nickel, and Dime

A dime = 10 cents.
Skip count by 10s for dimes.

A penny = 1 cent.
Count by 1s for pennies.

Skip count by 10s. Then count on by 1s.

10¢ → 20¢ → 30¢ → 40¢ → 41¢ → 42¢

In All
42¢

Skip count by 10s and count on by 1s to find how much money in all.

1. 10¢ → 20¢ → 30¢ → _____¢ → _____¢ → _____¢

In All
_____¢

2. _____¢ → _____¢ → _____¢ → _____¢ → _____¢ → _____¢

In All
_____¢

Name _____

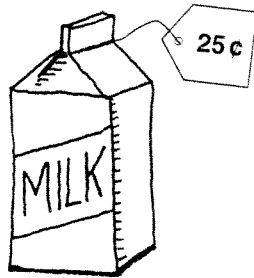
Practice

18-2

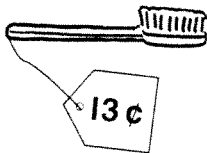
Values of Penny, Nickel, and Dime

Circle the coins you could use to buy each item.

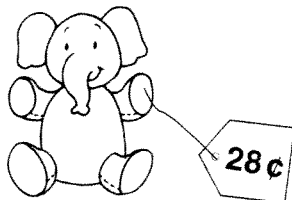
1.



2.



3.



Journal

4. An apple costs 7¢. An orange costs 8¢.
A banana costs 9¢. You have 2 dimes.
Which 2 pieces of fruit could you buy?

_____ and _____

How much money would you have left?

_____¢

Name _____

Reteaching

18-3

Counting Dimes, Nickels, and Pennies

When you count coins, start with the coin that is worth the most.

A dime is worth more than a nickel.

A nickel is worth more than a penny.

Count dimes by 10s.

Count nickels by 5s.

Count pennies by 1s.



In All

41 ¢

10 ¢ → 20 ¢ → 30 ¢ → 35 ¢ → 40 ¢ → 41 ¢

Count on. Then write how much money in all.

1.



In All

_____ ¢

10 ¢ 20 ¢ 25 ¢ _____ ¢ _____ ¢ _____ ¢

2.



In All

_____ ¢

_____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢

Name _____

Practice
18-3

Counting Dimes, Nickels, and Pennies

Skip count.

Then write how much money in all.



In All
37 ¢



In All
¢



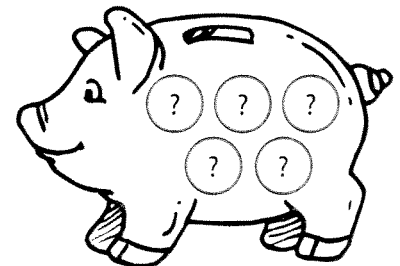
In All
¢



In All
¢

Number Sense

5. There are 5 coins in Dan's bank.
At least 1 is a nickel. The rest are dimes.
What is the greatest amount of money Dan could have?



- ☐ 25¢
 ☐ 30¢
 ☐ 45¢
 ☐ 50¢

Name _____

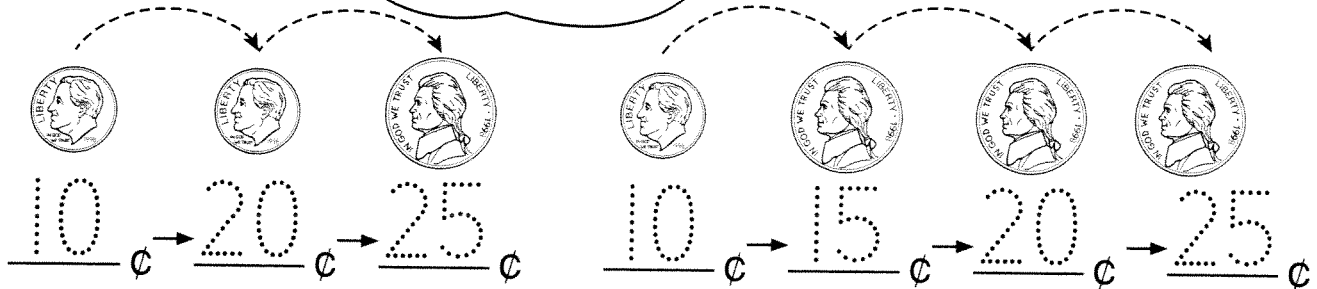
Reteaching

18-4

Value of Quarter

There are different ways you can make 25¢.

Skip count by 10s
and then by 5s.



Count each group of coins.

Circle the group of coins in each row that equals 25¢.

1.



2.

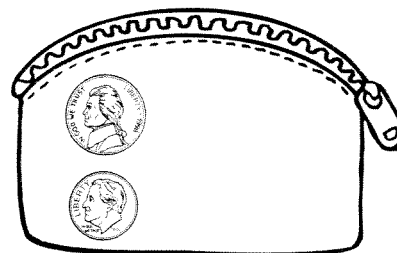


3.



Visual Thinking

4. Chris has 4 coins in her purse.
They are worth 25¢ in all.
Draw the other 2 coins.



Name _____

Practice

18-4

Value of Quarter

Circle the coins that equal 25¢.

1.



2.



3.



4.



5.



Number Sense

6. Kate has 25¢ in her purse.
Which coins does she have?



Name _____

Reteaching

18-5

Value of Half-Dollar

Here are some ways to show 50¢.

half-dollar coin



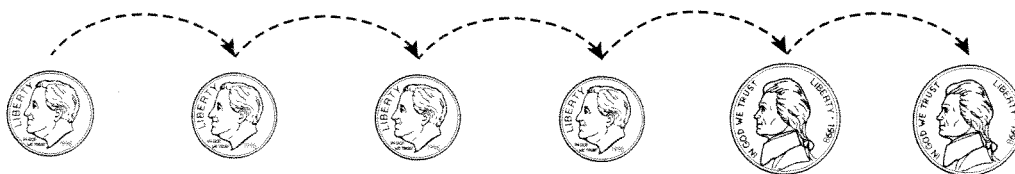
50¢

2 quarters



25¢ → 50¢

4 dimes and 2 nickels



10¢ → 20¢ → 30¢ → 40¢ → 45¢ → 50¢

In All
<u>50</u> ¢

Circle the group of coins that makes 50¢.

1.



2.



Name _____

Practice

18-5

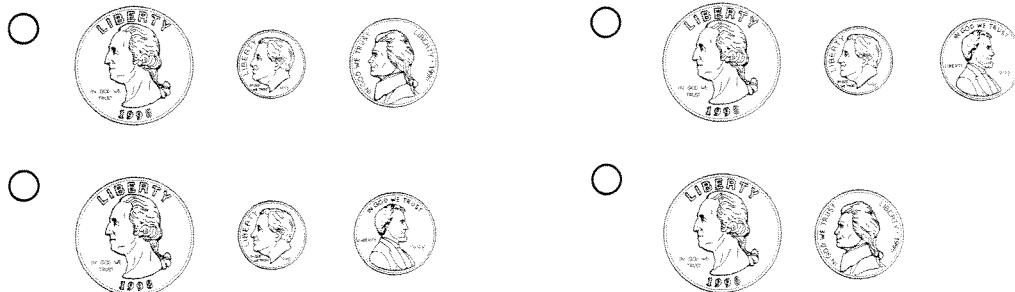
Value of Half-Dollar

Circle the coins that equal 50¢.



Reasoning

4. Max has 50¢ in all.
2 coins are dimes.
Which are his other coins?

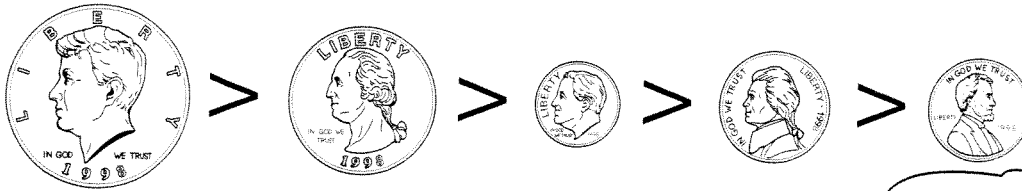


Name _____

Reteaching

18-6

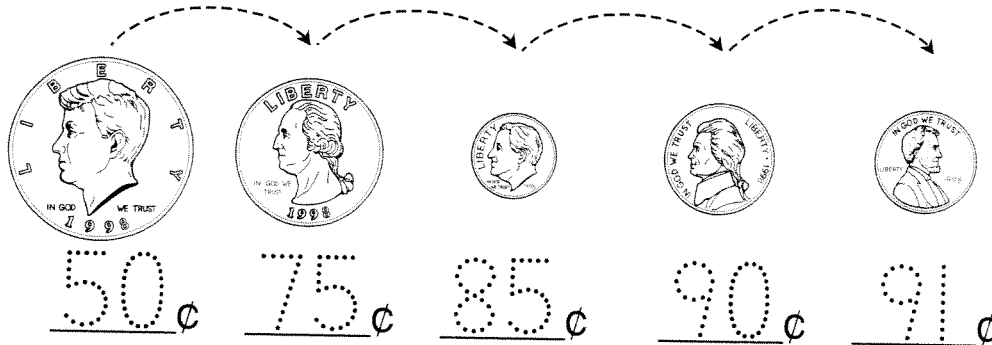
Counting Sets of Coins



Remember > stands for "greater than."

Count the coins.

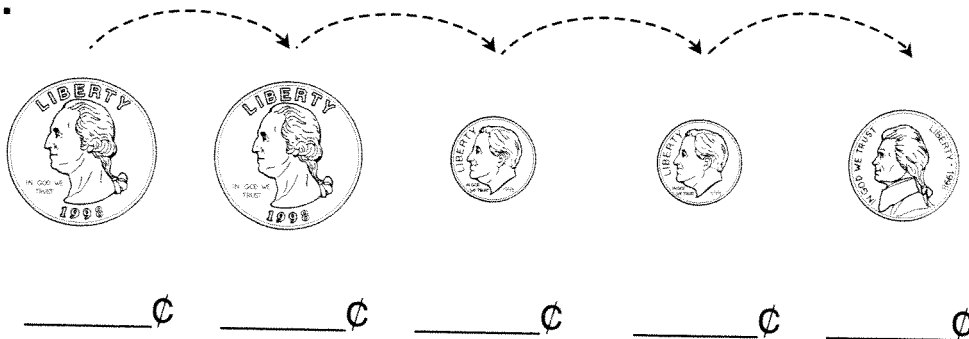
Start with the coin that is worth the most money.



In All
91¢

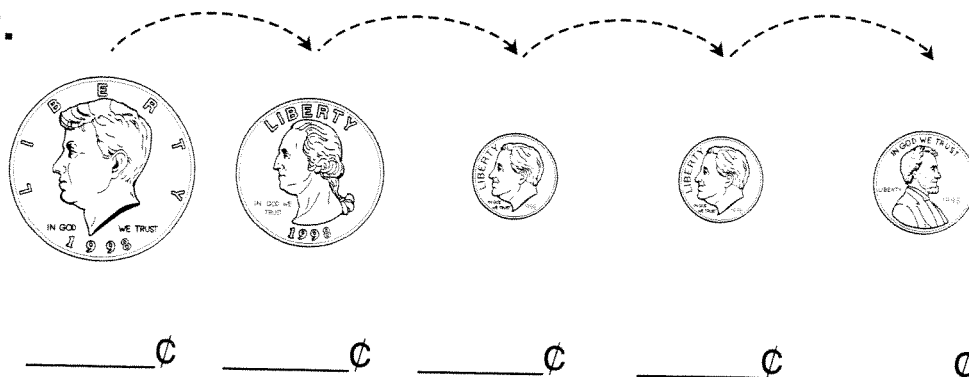
Skip count. Then write how much money in all.

1.



In All
_____¢

2.



In All
_____¢

Name _____

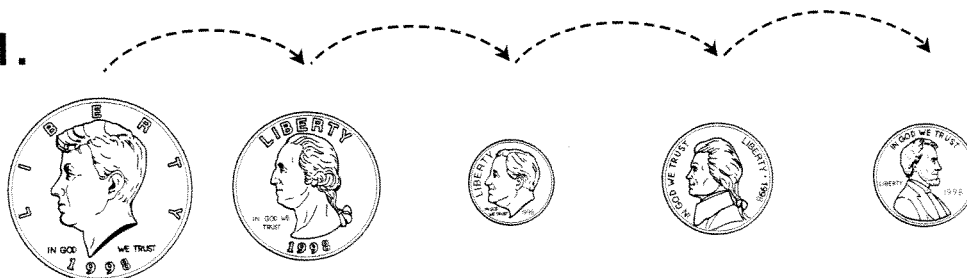
Practice

18-6

Counting Sets of Coins

Skip count. Then write how much money in all.

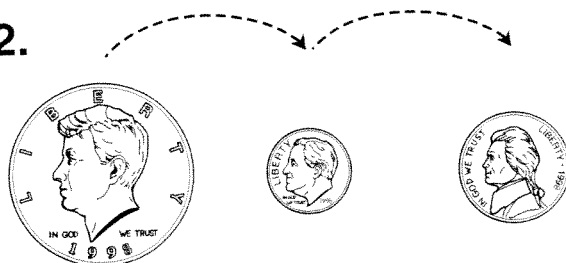
1.



_____¢ _____¢ _____¢ _____¢ _____¢

In All
_____¢

2.



_____¢ _____¢ _____¢

In All
_____¢

Journal







3. You have 50¢ in all.

What can you buy for lunch?

Be sure to include fruit.

How much will it cost?

How much will you have left?

Menu	
	Soup.....19¢
	Ham Sandwich...25¢
	Apple.....15¢
	Grapes.....9¢
	Bagel.....19¢
	Muffin.....11¢

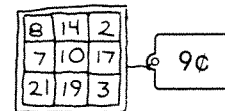
Name _____

Reteaching

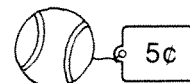
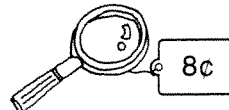
18-7



Problem Solving: Try, Check, and Revise

Jim bought 2 toys at the toy fair. Together they cost 11¢.
Which toys did he buy?



Pick two toys. Find their total.



Try  and .

Add. 6¢ + 8¢ = 14¢

14¢ is more than 11¢.

Find a toy that costs less than .

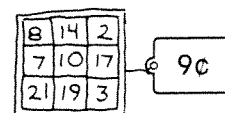
The  costs less.

Try the  and .

Add. 6¢ + 5¢ = 11¢

Jim bought the  and .

I. Circle the 2 toys that cost 15¢.



_____¢ + _____¢ = _____¢



Name _____

Practice

18-7

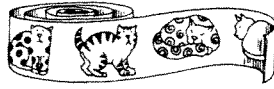
Problem Solving: **Try, Check, and Revise**

Circle the stickers each child bought.

Write an addition sentence to check.



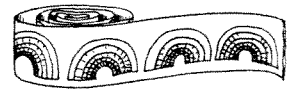
4¢



5¢



8¢



9¢

1. Venus bought 2 different stickers.

Together they cost 14¢.

What did Venus buy?



5 ¢ + _____ ¢ = _____ ¢

2. Kevin bought 2 different stickers.

Together they cost 17¢.

What did Kevin buy?



_____ ¢ + _____ ¢ = _____ ¢

Number Sense

3. Carlos bought 2 different stickers.

Together they cost 9¢.

Which did Carlos buy?



Name _____

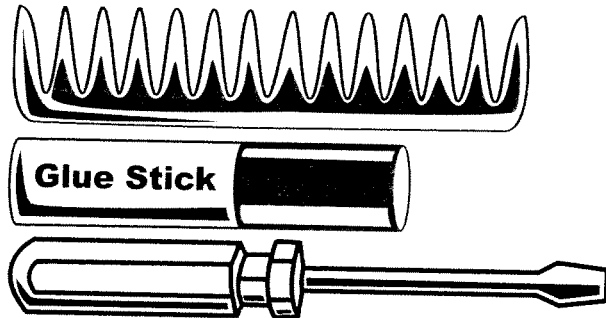
Reteaching
19-1

Comparing and Ordering by Length

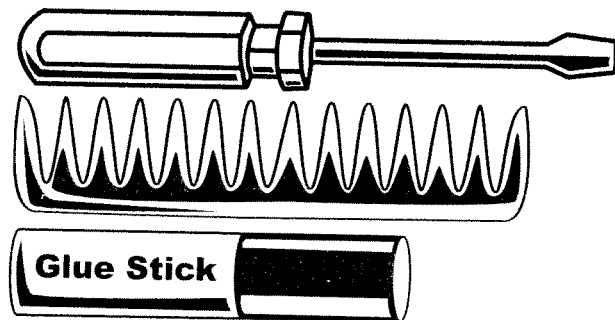
You can compare and order objects by how long they are.

Line up the objects.

Look to see which
object is longest
and which is shortest.



Then put the objects in order
from longest to shortest.



1. Complete the sentence.

Line A _____

Line B _____

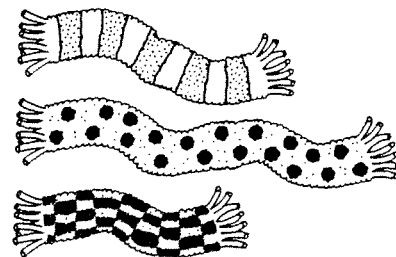
Line C _____

Line _____ is the longest. Line _____ is the shortest.

Reasoning

2. Use the clues to color the scarves.

The shortest scarf is red.
The green scarf is longer
than the blue scarf.



Name _____

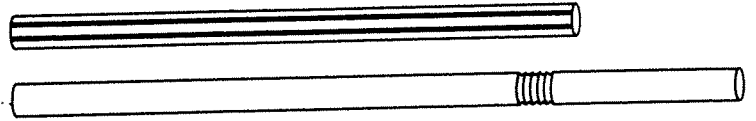
Practice

19-1

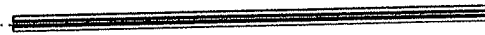
Comparing and Ordering by Length

Draw lines to match the object with the word that describes it.

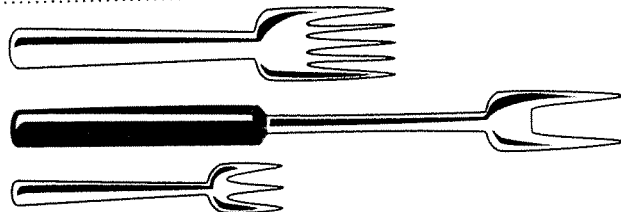
1. longest



shortest



2. longest



shortest

Spatial Thinking

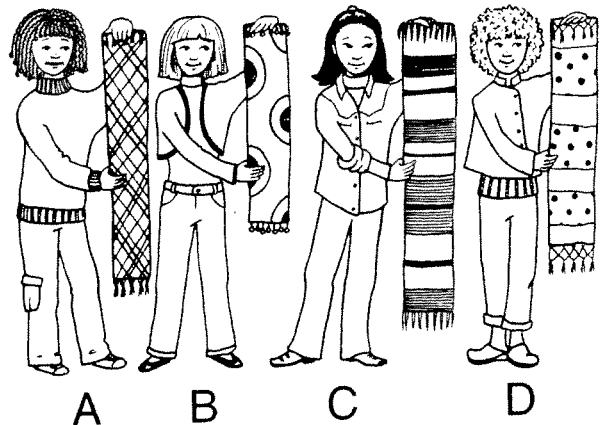
3. Grace has the longest scarf.
Which child is Grace?

☐ A

☐ C

☐ B

☐ D

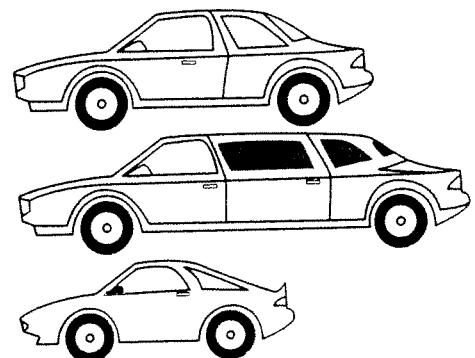


Reasoning

4. Use the clues to color the cars.

The shortest car is green.

The yellow car is longer than
the red car.



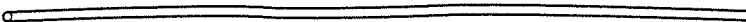
Name _____

Reteaching

19-2

Using Units to Estimate and Measure Length

Look at the paper clip. 

Look at the string. 

Estimate: How many paper clips long is the string?

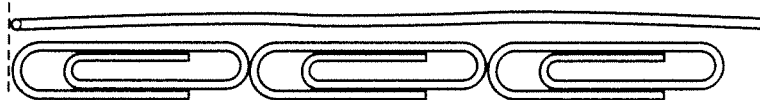
About 4 paper clips long.

Now measure.

Line up the first paper clip with the edge of the string.

Be sure all paper clips are the same size.

Be sure you put the paper clips right next to each other.

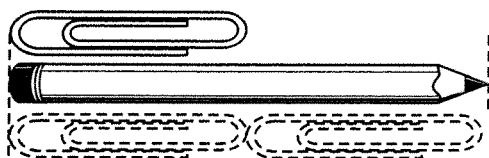


Measure: About 3 paper clips long.

That is close to the estimate.

Estimate. Then measure using paper clips.

1.

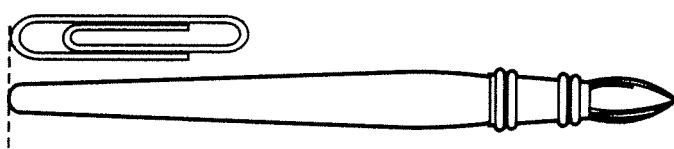


Estimate

Measure

about _____

2.

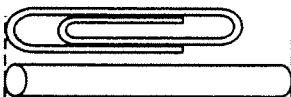


Estimate

Measure

about _____

3.



Estimate

Measure

about _____

Name _____

Practice

19-2

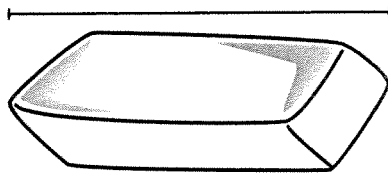
Using Units to Estimate and Measure Length

Estimate the length. Then use cubes to measure.

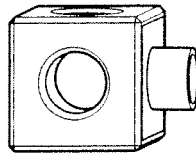
Estimate

Measure

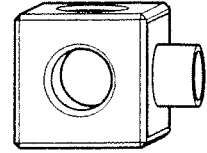
1.



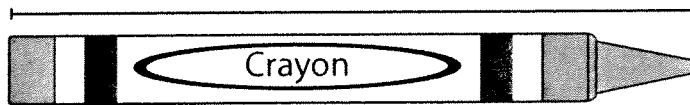
about _____



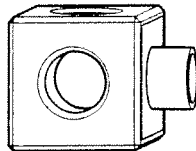
about _____



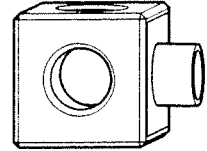
2.



about _____

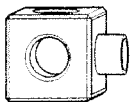
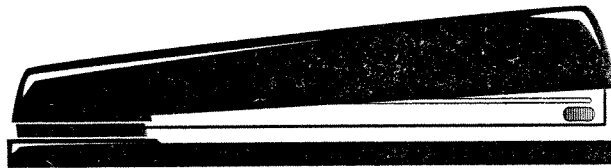


about _____



Reasoning

3. Which is the best estimate for the length of the stapler?



4

7

14

17

☐

☐

☐

☐

Name _____

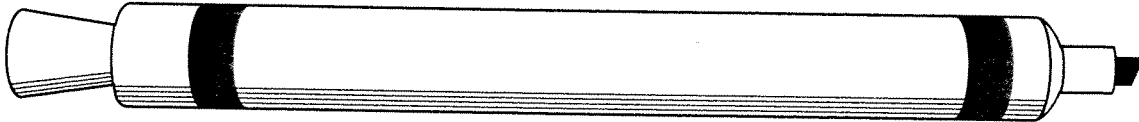
Reteaching

19-3

Unit Size and Measuring

Predict: Will you need more chalk or more paper clips to measure the marker?

more  or more 

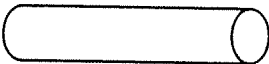



You must find out if you need more chalk or more paper clips.

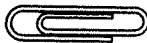

Use reasoning to help you.

The paper clip is shorter.

You will probably need more paper clips.

more  more 

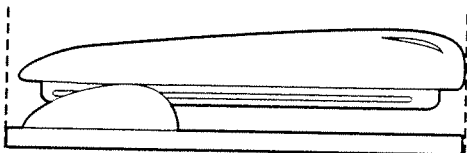
Measure to check.

about 8 
about 5 

Measure to check your prediction.
Was your prediction correct?

I. Will it take fewer pieces of chalk or fewer paper clips to measure the stapler?

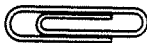
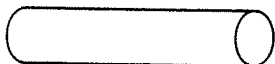
Circle your prediction. Then measure.



fewer 

fewer 

Measure to check.

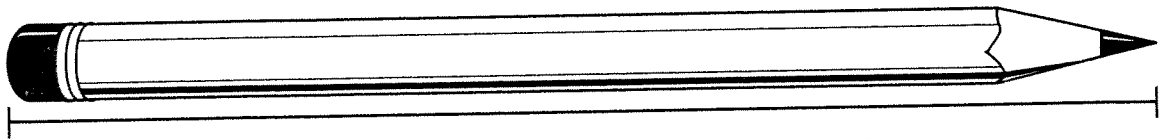
about _____ 
about _____ 

Name _____

Practice

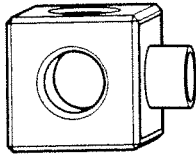
19-3

Unit Size and Measuring

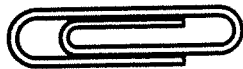


1. Will you need more cubes or more paper clips to measure the pencil? Circle your answer.

more

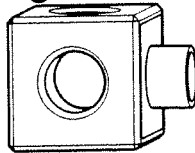


more

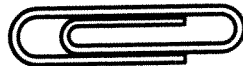


2. Measure the length of the pencil.

about _____



about _____



Reasonableness

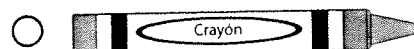
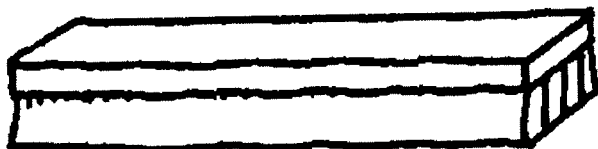
Circle your answer.

3. Eric has a paintbrush that is about 12 cubes long.
How many paper clips long could it be?

2  7  12 

Spatial Thinking

4. Which object would you need the fewest of to measure how long the eraser is?



Name _____

Reteaching

19-4

Comparing and Ordering by Volume

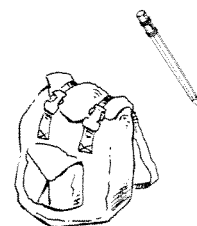
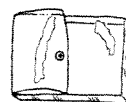
Here are 3 objects.

Which object takes up the least space?

Which object takes up the most space?

Look at each object.

Would it fit into
a large box or
a small box?



I need a small box
for the pencil and
a larger box for
the backpack.

Compare the objects. Then order them.



least space



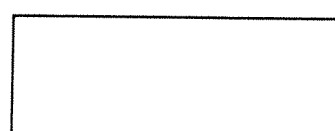
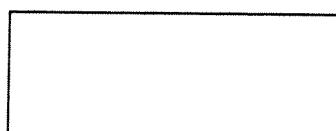
most space

Draw the objects in order from the one that takes the most space to the one that takes the least space.

1.

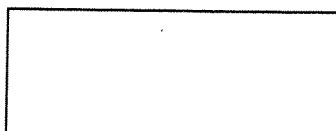
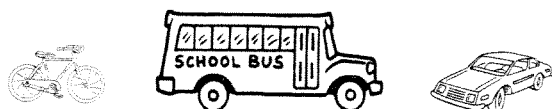


most space

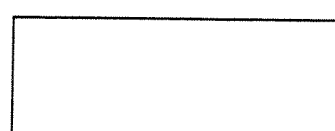
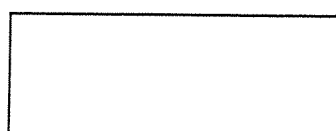


least space

2.



most space



least space

Name _____

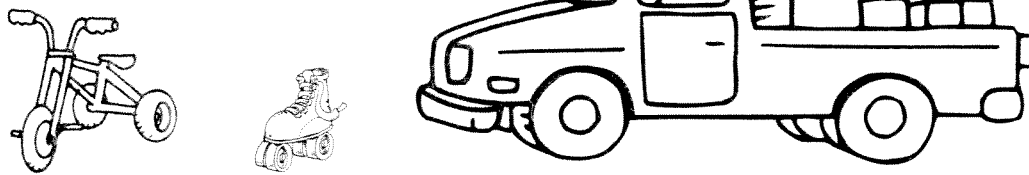
Practice

19-4

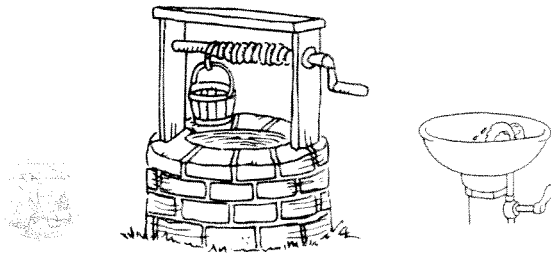
Comparing and Ordering by Volume

Circle the object that takes up the least space.

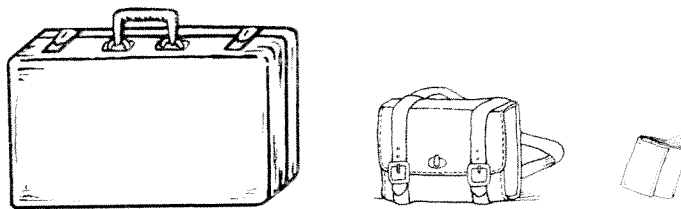
1.



2.



3.



Reasoning

4. The red pillow takes the least space.

The yellow pillow takes more space than the blue pillow. Which of the following is not true?

☐ The red pillow takes more space than the blue pillow.

☐ The yellow pillow takes more space than the red pillow.

☐ The blue pillow takes more space than the red pillow.

☐ The red pillow takes less space than the yellow pillow.

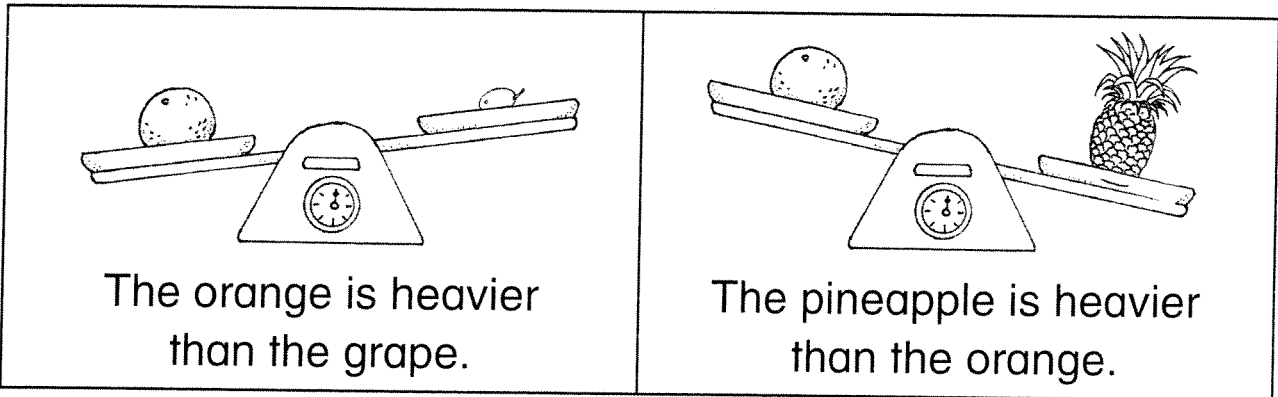
Name _____

Reteaching

19-5

Comparing and Ordering by Weight

Weight is the measure of how heavy or light an object is.
You can compare objects by weight.



After you compare the objects, you can order them by weight.



heaviest

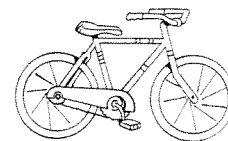


lightest

1. Draw lines to match the object with the word that describes it.

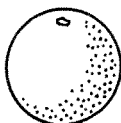
heaviest

lightest



Estimation

2. Circle the fruits that weigh about the same amount.



Name _____

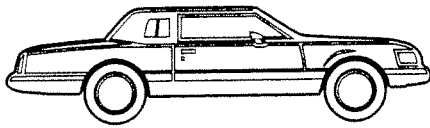
Practice

19-5

Comparing and Ordering by Weight

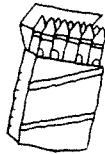
Circle the object that is the heaviest.

1.



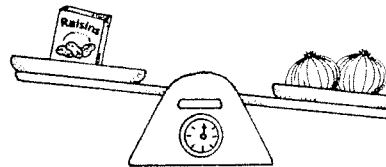
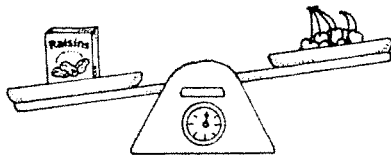
Circle the object that is the lightest.

2.



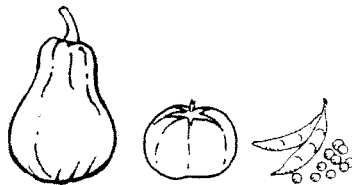
Spatial Thinking

Use the pictures to answer the questions.



3. Which object is the heaviest? 4. Which object is the lightest?

5. Which list shows the vegetables in order from heaviest to lightest?



☐ squash, peas, tomato

☐ tomato, squash, peas

☐ peas, tomato, squash

☐ squash, tomato, peas

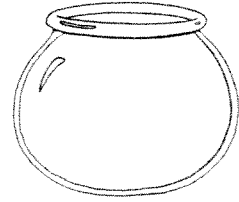
Name _____

Reteaching


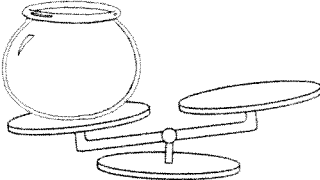
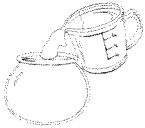
19-6

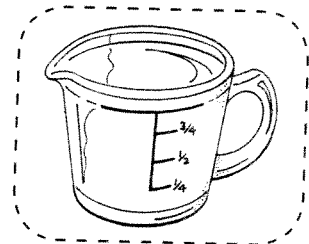
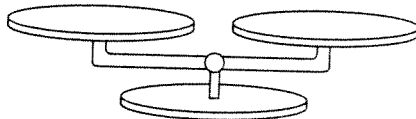
Problem Solving: Use Reasoning

The tool you choose to measure an object depends on what you want to measure.



Clive wants to measure his fishbowl.

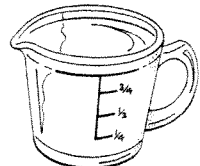
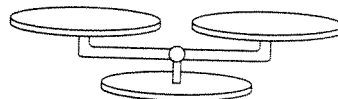
<p>How tall is it?</p>  <p>Use paper clips to measure length.</p>	<p>How heavy is it?</p>  <p>Use a pan balance to measure weight.</p>	<p>How much does it hold?</p>  <p>Use a cup to measure capacity.</p>
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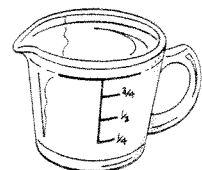
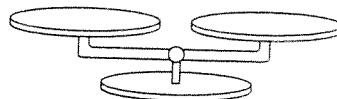
Circle the tool Clive should choose to measure how much water the fishbowl will hold.

Circle the best tool to use for each measurement.

1. How heavy is it?



2. How tall is it?



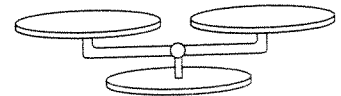
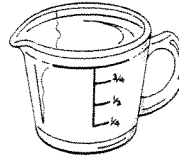
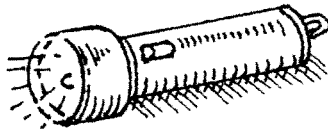
Name _____

Practice
19-6

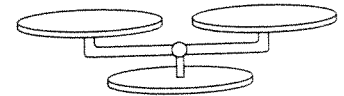
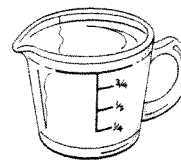
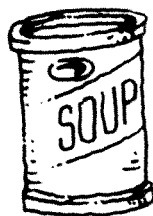
Problem Solving: Use Reasoning

Circle the best tool to use for the measurement.

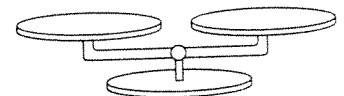
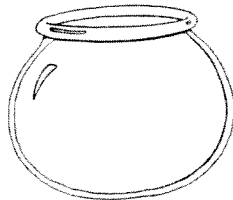
1. How long is it?



2. How heavy is it?



3. How much does it hold?



Reasoning

4. Oliver and Ben have a bucket.
They want to use the bucket to measure.
What can they measure?

☐ capacity

☐ area

☐ weight

☐ length

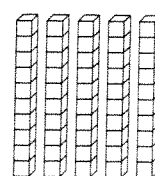
Name _____

Reteaching

20-1

Adding Groups of 10

You can use what you know about adding ones to add groups of ten.



2 ones and 5 ones are 7 ones. 2 tens and 5 tens are 7 tens.

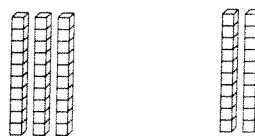
$$2 + 5 = 7$$

$$20 + 50 = 70$$

Write each number sentence.



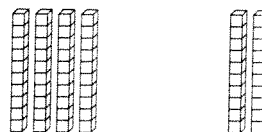
$$\underline{3} + \underline{2} = \underline{5}$$



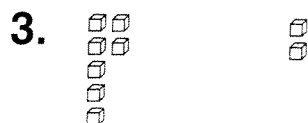
$$\underline{30} + \underline{20} = \underline{50}$$



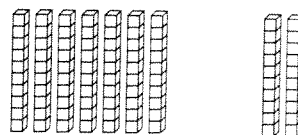
$$\underline{\quad} + \underline{\quad} = \underline{6}$$



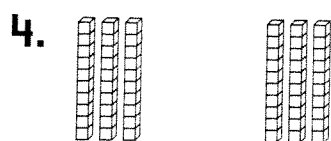
$$\underline{\quad} + \underline{\quad} = \underline{60}$$



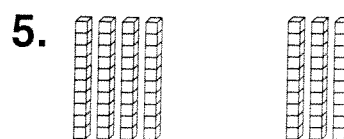
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

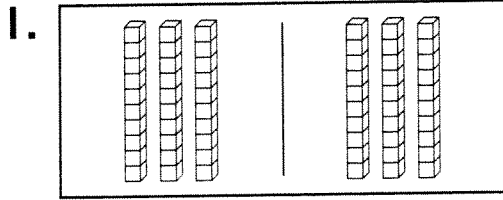
Name _____

Practice

20-1

Adding Groups of 10

Write numbers to complete each number sentence.



_____ tens + _____ tens = _____ tens

_____ + _____ = _____

Complete each number sentence.

2. $50 + 20 =$ _____

3. $30 + 40 =$ _____

4. $20 + 30 =$ _____

5. $70 + 20 =$ _____

6. $60 + 30 =$ _____

7. $10 + 80 =$ _____

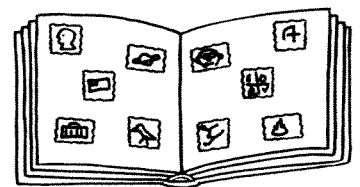
Number Sense

8. David has 2 books of stamps.

The first book has 50 stamps.

The other book has 30 stamps.

How many stamps does David have in all?



☐ 20

☐ 80

☐ 70

☐ 90

Name _____

Reteaching

20-2

Adding Tens on a Hundred Chart

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

When you add tens on a hundred chart, you skip count by tens. The ones digit in each number is the same as the ones digit in the number you started from.

The tens digit of each number is one more than the tens digit of the number before it.

Use the hundred chart to add tens to 16.

1. 16 2. 16 3. 16 4. 16

$$\begin{array}{r} + 10 \\ \hline \end{array}$$

26

$$\begin{array}{r} + 20 \\ \hline \end{array}$$

$$\begin{array}{r} + 30 \\ \hline \end{array}$$

$$\begin{array}{r} + 40 \\ \hline \end{array}$$

What numbers did you skip count on the hundred chart to find the answers? _____

Algebra

5. Fill in the missing digits to complete the pattern.

5_____, 62, _____2, _____2

Name _____

Practice

20-2

Adding Tens on a Hundred Chart

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Use the hundred chart to add tens.

1. $24 + 30 =$ _____ $56 + 20 =$ _____ $13 + 70 =$ _____

2. $11 + 80 =$ _____ $67 + 10 =$ _____ $39 + 40 =$ _____

.....

Algebra

3. Which number sentence is equal
to $24 + 10$?

☐ $14 + 10$

☐ $24 + 20$

☐ $14 + 20$

☐ $34 + 10$

Name _____

Reteaching

20-3

Adding on a Hundred Chart

You can use a hundred chart to add two-digit numbers.

$$24 + 15$$

Start at 24.

Go down 1 row for every ten you add.

Go right 1 column for every one you add.

Because 15 is 1 ten and 5 ones, go down 1 row, and right 5 columns.

So, $24 + 15 = 39$.

Row {

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Column

Use the hundred chart. Follow the clues.

Write the missing number.

1. Start at 11.

$$11 + 15 = ?$$

Move down 1 rows.

Move right 5 columns.

$$11 + 15 = \underline{26}$$

2. Start at 34.

$$34 + 64 = ?$$

Move down _____ rows.

Move right _____ columns.

$$34 + 64 = \underline{\hspace{2cm}}$$

Name _____

Practice

20-3

Adding on a Hundred Chart

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Use the hundred chart to add.

1. $51 + 24 = \underline{\hspace{2cm}}$ $45 + 33 = \underline{\hspace{2cm}}$ $38 + 61 = \underline{\hspace{2cm}}$

2. $17 + 42 = \underline{\hspace{2cm}}$ $71 + 27 = \underline{\hspace{2cm}}$ $23 + 65 = \underline{\hspace{2cm}}$

Reasoning

3. Which addition sentence matches the clues?

Start at 34.

Move down 4 rows.

Move right 2 columns.

☐ $34 + 2 = 36$

☐ $34 + 24 = 58$

☐ $34 + 4 = 38$

☐ $34 + 42 = 76$

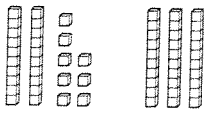
Name _____

Reteaching

20-4

Adding Tens to Two-Digit Numbers

You can count on by tens to add.



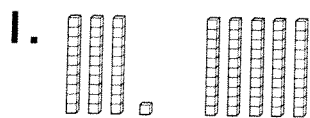
28 + 30 is 28 + 3 tens

3 tens

10 10 10
28, 38, 48, 58

$$28 + 30 = 58$$

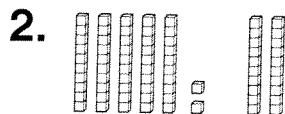
Solve each number sentence.



10 10 10 10 10
31, 41, 51, 61, 71, 81

31 + 50 is 31 + 5 tens

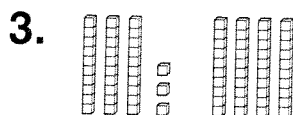
$$31 + 50 = 81$$



52, _____, _____

52 + 20 is 52 + _____ tens

$$52 + 20 = \underline{\hspace{2cm}}$$



33, _____, _____, _____, _____

33 + 40 is 33 + _____ tens

$$33 + 40 = \underline{\hspace{2cm}}$$


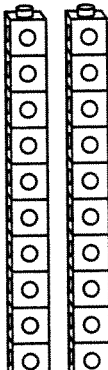
Name _____

Practice


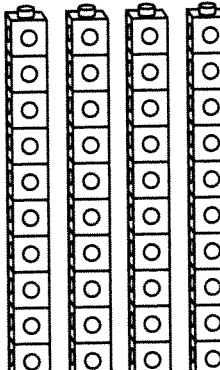
20-4

Adding Tens to Two-Digit Numbers


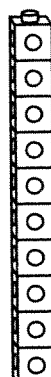
Write each number sentence.

1.  


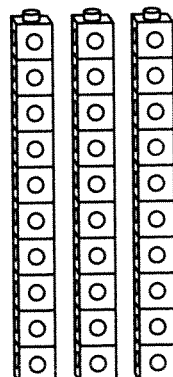
$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

2.  

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

3.  

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

4.  

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Number Sense

5. Will has 24 crayons.

He gets 4 more boxes of crayons.

Each box has 10 crayons.

How many crayons does Will have now?

64

☐

54

☐

44

☐

34

☐

Name _____

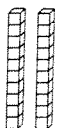

Reteaching

20-5

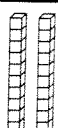
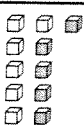
Adding to a Two-Digit Number

Add 26 and 5.

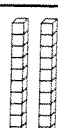

Show 26.



Tens	Ones
	

Add 5.

Tens	Ones
	

Regroup 10 ones as 1 ten.

Tens	Ones
	

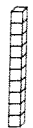
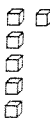
Tens	Ones
	

$$26 + 5 = \underline{31}$$


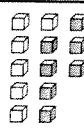
Find the sum.

1. Add 16 and 7.

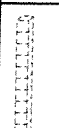

Show 16.

Decenas	Unidades
	

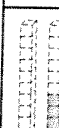

Add 7.

Tens	Ones
	

Regroup.

Tens	Ones
	


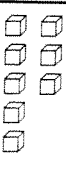
Find the sum.

Tens	Ones
	


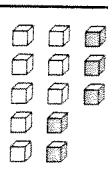
$$16 + 7 = \underline{23}$$

2. Add 28 and 5.



Show 28.

Tens	Ones
	



Add 5.

Tens	Ones
	

Regroup.

Tens	Ones
	

Find the sum.

Tens	Ones
	

$$28 + 5 = \underline{\hspace{2cm}}$$

Adding to a Two-Digit Number

Write the sum.

Find the sum.

Do you need to regroup?

1. $27 + 6 =$ 33

☒ yes

no

2. $43 + 5 =$ _____

yes

no

3. $34 + 8 =$ _____

yes

no

4. $17 + 4 =$ _____

yes

no

5. $56 + 3 =$ _____

yes

no

6. $93 + 2 =$ _____

yes

no

7. $87 + 7 =$ _____

yes

no

8. $68 + 5 =$ _____

yes

no

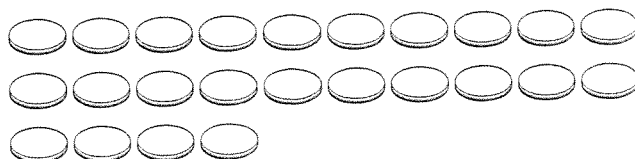
9. $36 + 3 =$ _____

yes

no

10. Journal There are 24 counters.

How many counters could you add without having to regroup? Why?



Name _____

Reteaching

20-6

Subtracting Tens on a Hundred Chart

	1	2	3	4	5	6	7	8	9	10
→	11	12	13	14	15	16	17	18	19	20
→	21	22	23	24	25	26	27	28	29	30
→	31	32	33	34	35	36	37	38	39	40
→	41	42	43	44	45	46	47	48	49	50
	51	52	53	54	55	56	57	58	59	60
	61	62	63	64	65	66	67	68	69	70
	71	72	73	74	75	76	77	78	79	80
	81	82	83	84	85	86	87	88	89	90
	91	92	93	94	95	96	97	98	99	100

To subtract by tens, you can count back by tens on a hundred chart. Move up a row for each ten you subtract. All of the numbers will end in the same number.

$$41 - 30 = \underline{\quad}$$

Count back by tens on the hundred chart to subtract.

1. 84 2. 59 3. 45 4. 78

$$\begin{array}{r} - 60 \\ \hline 24 \end{array}$$

$$\begin{array}{r} - 10 \\ \hline \square \end{array}$$

$$\begin{array}{r} - 30 \\ \hline \square \end{array}$$

$$\begin{array}{r} - 40 \\ \hline \square \end{array}$$

What numbers did you skip count on the hundred chart to find the answers? _____

Algebra

5. Fill in the missing digits to complete the pattern.

8____, 72, ____2, ____2

Subtracting Tens on a Hundred Chart

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Use the hundred chart to subtract tens.

1. $87 - 40 =$ _____ $53 - 30 =$ _____ $71 - 60 =$ _____

2. $98 - 10 =$ _____ $32 - 20 =$ _____ $83 - 50 =$ _____

3. $43 - 20 =$ _____ $71 - 50 =$ _____ $66 - 40 =$ _____

Algebra

4. Which number completes the subtraction sentence?

$$75 - \underline{\hspace{2cm}} = 35$$

☐ 20

☐ 40

☐ 30

☐ 50

Name _____

Reteaching

20-7

Subtracting Tens from Two-Digit Numbers

You can count back by tens to subtract.



$43 - 20$ is $43 - 2$ tens

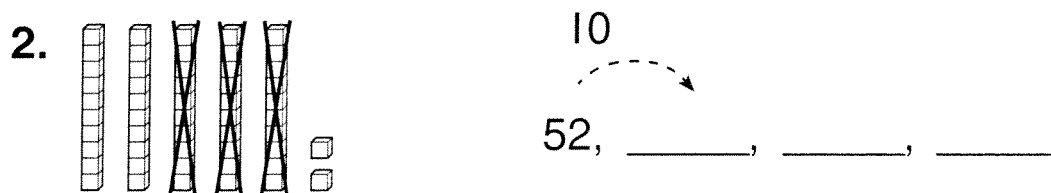
$$43 - 20 = \underline{23}$$

Solve each number sentence.



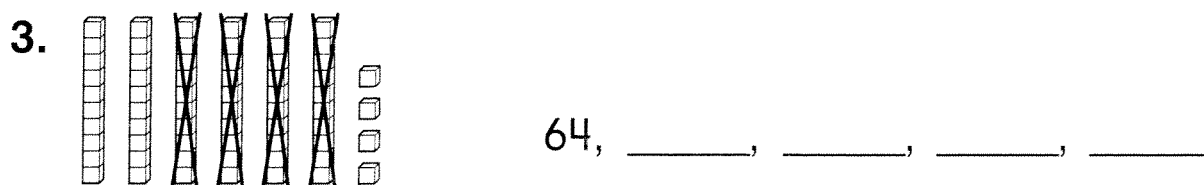
$34 - 10$ is $34 - \underline{\quad}$ ten

$$34 - 10 = \underline{24}$$



$52 - 30$ is $52 - \underline{\quad}$ tens

$$52 - 30 = \underline{\quad}$$

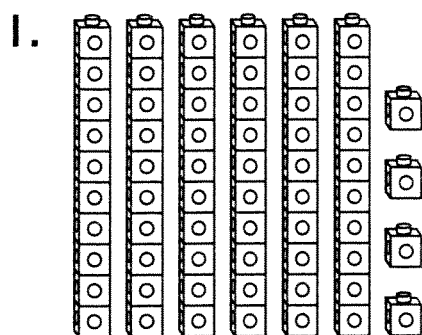


$64 - 40$ is $64 - \underline{\quad}$ tens

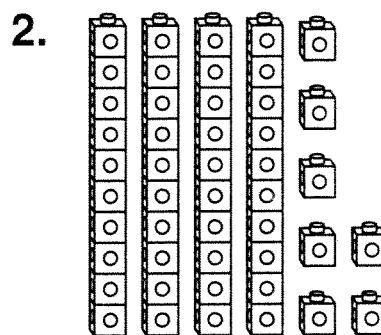
$$64 - 40 = \underline{\quad}$$

Subtracting Tens from Two-Digit Numbers

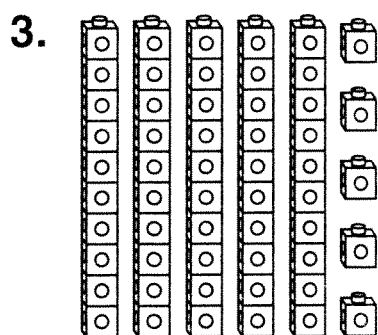
Cross out the tens. Write the difference.



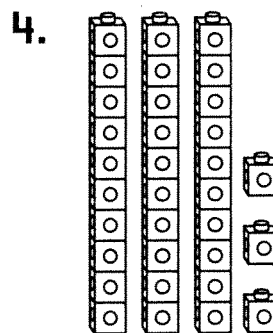
$$64 - 20 = \underline{\quad\quad}$$



$$47 - 30 = \underline{\quad\quad}$$



$$55 - 40 = \underline{\quad\quad}$$



$$33 - 10 = \underline{\quad\quad}$$

Journal

5. Roberto says that $75 - 30 = 35$.

Is Roberto correct?

Explain.

Name _____

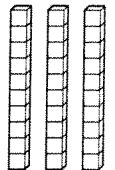

Reteaching

20-8

Subtracting from a Two-Digit Number

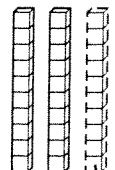
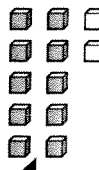
Find the difference for the problem $32 - 6$.

Show 32.

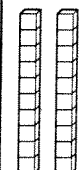
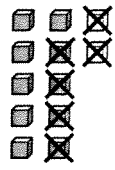
Tens	Ones
	

Subtract 6.

Regroup 1 ten as 10 ones.

Tens	Ones
	

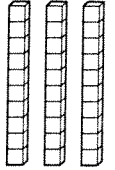
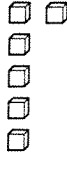
Subtract.

Tens	Ones
	

$$32 - 6 = \underline{26}$$

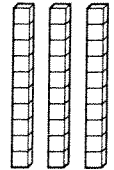
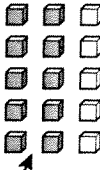
1. Find the difference for the problem $46 - 8$.

Show 46.

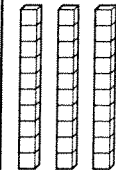
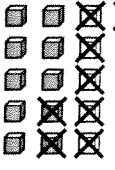
Tens	Ones
	

Subtract 8.

Regroup.

Tens	Ones
	

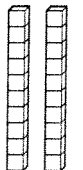

Subtract.

Tens	Ones
	

$$46 - 8 = \underline{38}$$

2. Find the difference for the problem $23 - 7$.

Show 23.

Tens	Ones
	

Subtract 7.

Regroup.

Tens	Ones

Subtract.

Tens	Ones

$$23 - 7 = \underline{\hspace{2cm}}$$

Name _____

Practice

20-8

Subtracting from a Two-Digit Number

Write the difference.

Find the difference.

Do you need to regroup?

1. $42 - 6 =$ 36

☒ yes ☐ no

2. $37 - 5 =$ _____

☐ yes ☐ no

3. $62 - 4 =$ _____

☐ yes ☐ no

4. $58 - 9 =$ _____

☐ yes ☐ no

5. $24 - 7 =$ _____

☐ yes ☐ no

6. $77 - 6 =$ _____

☐ yes ☐ no

7. $85 - 8 =$ _____

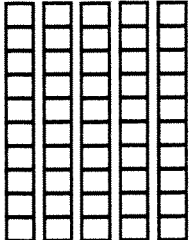

☐ yes ☐ no



8. $93 - 3 =$ _____

☐ yes ☐ no

Spatial Thinking

9. Draw cubes to show the same number in both place value mats.

Tens	Ones
	

Tens	Ones
	

Problem Solving: Extra Information

Sometimes a problem has information you do not need.
When you solve a problem, you need to find what information
you do and do not need.

Karl has 52 baseball cards.
~~He has 37 baseball stickers.~~
His mom gives him 26 more cards.
How many cards does he have in all?

Underline the information you need.
Cross out the information you do not need.
Then write a number sentence to solve.

$$\underline{52} + \underline{26} = \underline{78} \text{ baseball cards}$$

Read the problem.
Cross out the information you do not need.
Then write a number sentence to solve.

1. ~~David helped his dad sort~~
~~DVDs and CDs.~~
There were 38 new DVDs.
There were 21 used DVDs.
How many DVDs in all?

2. There are 42 pink roses
in the garden.
There are 18 yellow daisies.
There are 47 red roses.
How many roses are there?

$$\underline{\quad} + \underline{\quad} = \underline{\quad} \text{ DVDs} \quad \underline{\quad} + \underline{\quad} = \underline{\quad} \text{ roses}$$

Problem Solving: Extra Information

Cross out the extra information.

Write a number sentence to solve the problem.

You can use cubes or a hundred chart to help.

1. There are 16 boys on Milo's flag football team.

In their first game, they scored 14 points.

In their second game, they scored 28 points.

How many points did the team score in all?

points

2. Ms. Patel teaches tap dance and ballet.

There are 9 girls in her tap class.

All the girls are 6 years old.

There are 7 girls in her ballet class.

How many girls are there in all?

girls

Reasoning

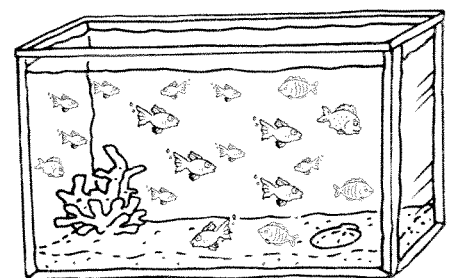
3. One tank of goldfish has 35 fish.

The other tank has 42 fish.

A goldfish can live for 15 years.

How many fish are in both tanks?

Which sentence is extra information?



☐ One tank of goldfish has 35 fish.

☐ A goldfish can live for 15 years.

☐ The other tank has 42 fish.

☐ How many fish are in both tanks?